

Visualization for Areal Data of Suicide in Japan

Takafumi Kubota*

The Institute of Statistical Mathematics, Tokyo, Japan. tkubota@ism.ac.jp

Makoto Tomita

Tokyo Medical and Dental University, Tokyo, Japan.

Fumio Ishioka

Okayama University, Okayama, Japan.

Hiroe Tsubaki

The Institute of Statistical Mathematics, Tokyo, Japan.

The objective of this study is to visualize areal data of suicide in Japan. The data which were used in this study are divided into year, area, age and sex. At first, line charts and histograms were used to explain the terms of time and frequency of the data of suicide, while Choropleth maps were used to draw suicide rate in areas of Japan. Then, to treat more than three dimensions the following three tools were applied to find out the characteristics of suicide in Japan: 3D plot (scatter plots and bar charts), animation graphs and interaction handling of displayed graphs. Finally, comparisons and contrasts among the terms of year, area and sex were discussed.

Key Words: Visualization, Suicide data